

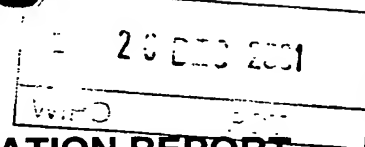
## TENT COOPERATION TREATY

PCT

## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

12



Applicant's or agent's file reference <b>SANSYL007/MB</b>	<b>FOR FURTHER ACTION</b> See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)	
International application No. <b>PCT/EP00/07917</b>	International filing date (day/month/year) <b>08/08/2000</b>	Priority date (day/month/year) <b>16/08/1999</b>
International Patent Classification (IPC) or national classification and IPC <b>A61K31/16</b>		
Applicant <b>SANOFI-SYNTHELABO</b>		

1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.



2. This REPORT consists of a total of 8 sheets, including this cover sheet.

- ☐ This report is also accompanied by ANNEXES, i.e. sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).

These annexes consist of a total of sheets.

3. This report contains indications relating to the following items:

- I ☒ Basis of the report
- II ☐ Priority
- III ☒ Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- IV ☐ Lack of unity of invention
- V ☒ Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- VI ☐ Certain documents cited
- VII ☐ Certain defects in the international application
- VIII ☐ Certain observations on the international application

Date of submission of the demand  <b>09/03/2001</b>	Date of completion of this report  <b>21.12.2001</b>
Name and mailing address of the international preliminary examining authority:   <b>European Patent Office D-80298 Munich Tel. +49 89 2399 - 0 Tx: 523656 epmu d Fax: +49 89 2399 - 4465</b>	Authorized officer  <b>Langer, A</b>  Telephone No. <b>+49 89 2399 7809</b>  

# INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/EP00/07917

## I. Basis of the report

1. With regard to the **elements** of the international application (*Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17)*):

**Description, pages:**

1-8 as originally filed

**Claims, No.:**

1-12 as originally filed

2. With regard to the **language**, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.

These elements were available or furnished to this Authority in the following language: , which is:

- ☐ the language of a translation furnished for the purposes of the international search (under Rule 23.1(b)).
- ☐ the language of publication of the international application (under Rule 48.3(b)).
- ☐ the language of a translation furnished for the purposes of international preliminary examination (under Rule 55.2 and/or 55.3).

3. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

- ☐ contained in the international application in written form.
- ☐ filed together with the international application in computer readable form.
- ☐ furnished subsequently to this Authority in written form.
- ☐ furnished subsequently to this Authority in computer readable form.
- ☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
- ☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

4. The amendments have resulted in the cancellation of:

- ☐ the description, pages:
- ☐ the claims, Nos.:
- ☐ the drawings, sheets:

5. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed (Rule 70.2(c)):

# INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/EP00/07917

(Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.)

6. Additional observations, if necessary:

## III. Non-establishment of opinion with regard to novelty, inventive step and industrial applicability

1. The questions whether the claimed invention appears to be novel, to involve an inventive step (to be non-obvious), or to be industrially applicable have not been examined in respect of:

- ☐ the entire international application.
- ☒ claims Nos. 1, 2, 4, 7, 12 (partially) as to N, IS, IA.

because:

- ☐ the said international application, or the said claims Nos. relate to the following subject matter which does not require an international preliminary examination (*specify*):
- ☐ the description, claims or drawings (*indicate particular elements below*) or said claims Nos. are so unclear that no meaningful opinion could be formed (*specify*):
- ☐ the claims, or said claims Nos. are so inadequately supported by the description that no meaningful opinion could be formed.
- ☒ no international search report has been established for the said claims Nos. 1, 2, 4, 7, 12 (partially).

2. A meaningful international preliminary examination cannot be carried out due to the failure of the nucleotide and/or amino acid sequence listing to comply with the standard provided for in Annex C of the Administrative Instructions:

- ☐ the written form has not been furnished or does not comply with the standard.
- ☐ the computer readable form has not been furnished or does not comply with the standard.

## V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Yes:	Claims 2 (partially), 3, 6, 9-11
	No:	Claims 1, 4, 7, 12 (partially), 5, 8
Inventive step (IS)	Yes:	Claims
	No:	Claims 1, 2, 4, 7, 12 (partially), 3, 5, 6, 8-11
Industrial applicability (IA)	Yes:	Claims 1, 2, 4, 7, 12 (partially), 3, 5, 6, 8-11

**INTERNATIONAL PRELIMINARY  
EXAMINATION REPORT**

International application No. PCT/EP00/07917

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No:      Claims

2. Citations and explanations  
**see separate sheet**

**Re Item III**

**Non-establishment of opinion with regard to novelty, inventive step and industrial applicability**

**Claims 1, 2, 4, 7 and 12** have been searched incompletely due to a lack of clarity (for details, please refer to the international search report. The search was limited to the products/compounds specifically mentioned in the claims with due regard to the general concept underlying the present invention. In accordance with Rule 66 (1)(e) PCT, the present examination is limited to the subject-matter searched, i.e. claims 1, 2, 4, 7 and 12 (partially) and claims 3, 5, 6, 8-11.

**Re Item V**

**Reasoned statement under Article 35(2) with regard to novelty, inventive step and industrial applicability; citations and explanations supporting such statement**

1. Reference is made to the following documents. If not indicated otherwise, the relevant passages are those cited in the international search report.

- D1: WO 97 13768 A (LECLERC ODILE ;JEGHAM SAMIR (FR); PUECH FREDERIC (FR); SYNTHELABO) 17 April 1997 (1997-04-17) cited in the application
- D2: WO 96 38444 A (SYNTHELABO ;JEGHAM SAMIR (FR); PUECH FREDERIC (FR); BURNIER PHILIP) 5 December 1996 (1996-12-05) cited in the application
- D3: EP-A-0 699 680 (SYNTHELABO) 6 March 1996 (1996-03-06) cited in the application
- D4: DE 30 15 360 A (MERRELL TORAUDE & CO) 6 November 1980 (1980-11-06)
- D5: US-A-3 466 236 (HOSTETTLER HANS U) 9 September 1969 (1969-09-09)
- D6: US-A-3 153 092 (A. BURGER) 13 October 1964 (1964-10-13)
- D7: ZAHM P. ET AL: 'Twelve-month oral toxicity study of lazabemide in dogs.' JAPANESE PHARMACOLOGY AND THERAPEUTICS, (1994) 22/SUPPL. 11 (105-143)., XP000879086
- D8: LIEBOWITZ M R ET AL: 'Reversible and irreversible monoamine oxidase

- inhibitors in other psychiatric disorders.' ACTA PSYCHIATRICA  
SCANDINAVICA. SUPPLEMENTUM, (1990) 360 29-34. REF: 43,  
XP000879199
- D9: KENNEDY S H ET AL: 'Is there a role for selective monoamine oxidase  
inhibitor therapy in bulimia nervosa? A placebo-controlled trial of  
brofaromine.' JOURNAL OF CLINICAL PSYCHOPHARMACOLOGY, (1993  
DEC) 13 (6) 415-22., XP000879189
- D10: PRINGUEY D. ET AL: '[Antidepressants]. ANTIDEPRESSEURS.' REVUE  
DU PRATICIEN, (15 JAN 1999) 49/2 (209-214)., XP000879200
- D11: THIEL A.: '[Is psychopharmacotherapy necessary in anorexia and bulimia  
nervosa?]. SIND PSYCHOPHARMAKA FUR DIE BEHANDLUNG DER  
ANOREXIA UND BULIMIA NERVOSA NOTWENDIG?.' PPMP  
PSYCHOTHERAPIE PSYCHOSOMATIK MEDIZINISCHE PSYCHOLOGIE,  
(1997) 47/9-10 (332-345)., XP000879185  
additional relevant passages: p. 338, left column, paragraph 3-4
- D12: BENEDETTI M.S. ET AL: 'Monoamine oxidase: From physiology and  
pathophysiology to the design and clinical application of reversible inhibitors.'  
ADVANCES IN DRUG RESEARCH, (1992) 23/- (65-125)., XP000879188
- D13: PRIEST, R. G. (1) ET AL: 'Reversible and selective inhibitors of monoamine  
oxidase A in mental and other disorders.' ACTA PSYCHIATRICA  
SCANDINAVICA, (1995) VOL. 91, NO. SUPPL. 386, PP. 40-43.,  
XP000879201
- D14: WHITTAL M.C. ET AL: 'Bulimia nervosa: A meta-analysis of psychosocial  
and pharmacological treatments.' BEHAVIOR THERAPY, (1999) 30/1 (117-  
135)., XP000879168
- D15: REYNAERT C. ET AL: 'Do new antidepressants influence body weight ?  
Comparing moclobemide to fluoxetine.' EUROPEAN  
NEUROPSYCHOPHARMACOLOGY, (1993) 3/3 (354)., XP000879190

## **2. Novelty (Art. 33 (2) PCT)**

In accordance with the description (p. 1, line 12-19), the treatment of obesity includes the decrease of energy intake, i.e. food intake. For the following evaluation of novelty, it is therefore considered that drugs reducing food intake (e.g. anorectic drugs, drugs for treatment of bulimia) fall under the scope of treatment

of obesity.

The following claims are disclosed by the prior art and therefore lack novelty in terms of Art. 33 (2) PCT:

**Claim 1 (partially)** with regard to documents D4-D14, **claim 4 (partially)** with regard to documents D4, D7, D12, **claim 5** with regard to document D7, **claim 7 (partially)** with regard to documents D9-D15, **claim 8** with regard to documents D9-D11, D13-D15 and **claim 12 (partially)** with regard to documents D4, D7-D12, D14, D15.

The technical features of **claims 2 (partially), 3, 6, 9-11** are not disclosed by the prior art cited and therefore appear novel in terms of Art. 33 (2) PCT.

### **3. Inventive Step (Art. 33 (2) PCT)**

**Claims 1, 4, 5, 7, 8, 12**, which are not novel in terms of Art. 33 (2) PCT also lack inventive step in terms of Art. 33 (3) PCT.

**Claim 2 (partially)** is not inventive in terms of Art. 33 (3) PCT in view of the disclosure of documents D5, D6, D8, D11, D12, which disclose the use of MAO inhibitors for treating obesity without defining the specificity. It would therefore be obvious for the skilled person to use a mixed inhibitor or MAO A and B for the treatment of obesity.

The effect claimed by the present application has only been substantiated for befloxatone. The prior art discloses the use of MAO inhibitors for the treatment of obesity. Since no particular effect has been shown for the specific MAO inhibitors claimed, they are to be considered to represent an arbitrary choice. **Claims 3, 6 and 9** thus lack inventive skill in terms of Art. 33 (3) PCT.

As suitable dosage ranges for the clinical use of befloxatone are known to the skilled person, **claims 10 and 11** also lack inventive skill in terms of Art. 33 (3) PCT.

**4. Industrial Applicability (Art. 33 (4) PCT)**

For the assessment of the present **claims 1-12** on the question whether they are industrially applicable, no unified criteria exist in the PCT Contracting States. The patentability can also be dependent upon the formulation of the claims. The EPO, for example, does not recognize as industrially applicable the subject-matter of claims to the use of a compound in medical treatment, but may allow, however, claims to a known compound for first use in medical treatment and the use of such a compound for the manufacture of a medicament for a new medical treatment.



## PATENT COOPERATION TREATY

## PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference <b>SANSYL007/MB</b>	<b>FOR FURTHER ACTION</b> see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. <b>PCT/EP 00/ 07917</b>	International filing date (day/month/year) <b>08/08/2000</b>	(Earliest) Priority Date (day/month/year) <b>16/08/1999</b>
Applicant <b>SANOFI-SYNTHELABO</b>		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 7 sheets.



It is also accompanied by a copy of each prior art document cited in this report.

**1. Basis of the report**

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.



the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing :



contained in the international application in written form.



filed together with the international application in computer readable form.



furnished subsequently to this Authority in written form.



furnished subsequently to this Authority in computer readable form.



the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.



the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☒ **Certain claims were found unsearchable** (See Box I).

3. ☐ **Unity of invention is lacking** (see Box II).

4. With regard to the **title**,



the text is approved as submitted by the applicant.



the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,



the text is approved as submitted by the applicant.



the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the **drawings** to be published with the abstract is Figure No.



as suggested by the applicant.



because the applicant failed to suggest a figure.



because this figure better characterizes the invention.



None of the figures.

## FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

## Continuation of Box I.2

Present claims 1,2,4,7,12 relate to a use/product defined by reference to a desirable characteristic or property, namely reversible selective or reversible mixed monoamine oxidase A and/or B inhibitors.

The claims cover the use of all products/compounds having this characteristic or property, whereas the application provides support within the meaning of Article 6 PCT and/or disclosure within the meaning of Article 5 PCT for only a very limited number of such products/compounds. In the present case, the claims so lack support, and the application so lacks disclosure, that a meaningful search over the whole of the claimed scope is impossible. Independent of the above reasoning, the claims also lack clarity (Article 6 PCT). An attempt is made to define the product/compound by reference to a result to be achieved. Again, this lack of clarity in the present case is such as to render a meaningful search over the whole of the claimed scope impossible. Consequently, the search has been carried out for those parts of the claims which appear to be clear, supported and disclosed, namely those parts relating to the products/compounds specifically mentioned in the claims with due regard to the general idea underlying the present invention(s).

A compound or group of compounds is not sufficiently defined only by its pharmacological parameters or properties: for a fully valid definition of a compound or a group of compounds, a structural definition is needed. A complete search is virtually impossible because it is not exhaustively known which chemical compounds are comprised by the scope of the claims encompassing reversible selective or reversible mixed monoamine oxidase A and/or B inhibitors in general.

The applicant's attention is drawn to the fact that claims, or parts of claims, relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure.

## INTERNATIONAL SEARCH REPORT

International Application No.

PCT/EP 00/07917

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A61K31/39 A61K31/16 A61K31/35 A61K31/42 A61K31/425  
 A61K31/44 A61K31/445 A61K31/47 A61K31/50 A61K31/505  
 A61K31/535

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61K

Additional documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Data base consulted during the international search (name of data base and, where practical, search terms used)

{EPO-Internal, EMBASE, MEDLINE, BIOSIS, WPI Data, CHEM ABS Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 97 13768 A (LECLERC ODILE ; JEGHAM SAMIR (FR); PUECH FREDERIC (FR); SYNTHELABO) 17 April 1997 (1997-04-17) cited in the application abstract page 34, line 7,8 page 41, paragraph 2 ---	1-4, 12
X	WO 96 38444 A (SYNTHELABO ; JEGHAM SAMIR (FR); PUECH FREDERIC (FR); BURNIER PHILIP) 5 December 1996 (1996-12-05) cited in the application abstract page 24, line 1 - page 25, line 19; example 7 --- -/--	1, 2, 4, 6, 12

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

## Categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*I\* document published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another document or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*Z\* document member of the same patent family

Date of the actual completion of the international search

24 October 2001

Date of mailing of the international search report

02/11/2001

Name and mailing address of the ISA

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Authorized officer

A. Jakobs

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 00/07917

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 699 680 A (SYNTHELABO) 6 March 1996 (1996-03-06) cited in the application table 1, entry 52-57 page 24, line 1 - page 25, line 19; example 7 ---	3
X	DE 30 15 360 A (MERRELL TORAUDE & CO) 6 November 1980 (1980-11-06) page 11, paragraph 2 - page 12, paragraph 2; example 7 page 22, paragraph 2 - paragraph 2; example 7 ---	1,2,4,7,12
X	US 3 466 236 A (HOSTETTLER HANS U) 9 September 1969 (1969-09-09) column 1, line 68-71 - paragraph 2; example 7 ---	1,2,4,7,12
X	US 3 153 092 A (A. BURGER) 13 October 1964 (1964-10-13) column 1, line 10-36 - paragraph 2; example 7 ---	1,2,4,7,12
X	ZAHM P. ET AL: "Twelve-month oral toxicity study of lazabemide in dogs." JAPANESE PHARMACOLOGY AND THERAPEUTICS, (1994) 22/SUPPL. 11 (105-143)., XP000879086 abstract paragraph 2; example 7 ---	1,2,4,5,7,12
X	LIEBOWITZ M R ET AL: "Reversible and irreversible monoamine oxidase inhibitors in other psychiatric disorders." ACTA PSYCHIATRICA SCANDINAVICA. SUPPLEMENTUM, (1990) 360 29-34. REF: 43, XP000879199 abstract paragraph 2; example 7 page 30, column 2, paragraph 3 - page 31, column 1, paragraph 2; example 7 ---	1,2,4,7,12
X	KENNEDY S H ET AL: "Is there a role for selective monoamine oxidase inhibitor therapy in bulimia nervosa? A placebo-controlled trial of brofaromine." JOURNAL OF CLINICAL PSYCHOPHARMACOLOGY, (1993 DEC) 13 (6) 415-22., XP000879189 abstract paragraph 2; example 7 --- -/--	1,2,4,8,12

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 00/07917

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>PRINGUEY D. ET AL: "Antidepressants!. ANTIDEPRESSEURS." REVUE DU PRATICIEN, (15 JAN 1999) 49/2 (209-214)., XP000879200 abstract paragraph 2; example 7; table 1 page 209, column 2, paragraph 2 - paragraph 2; example 7; table 1 ---</p>	1,2,4,8, 12
X	<p>THIEL A.: "Is psychopharmacotherapy necessary in anorexia and bulimia nervosa?!. SIND PSYCHOPHARMAKA FUR DIE BEHANDLUNG DER ANOREXIA UND BULIMIA NERVOSA NOTWENDIG?." PPMP PSYCHOTHERAPIE PSYCHOSOMATIK MEDIZINISCHE PSYCHOLOGIE, (1997) 47/9-10 (332-345)., XP000879185 abstract paragraph 2; example 7; table 3 ---</p>	1,2,4,8, 12
X	<p>BENEDETTI M.S. ET AL: "Monoamine oxidase: From physiology and pathophysiology to the design and clinical application of reversible inhibitors." ADVANCES IN DRUG RESEARCH, (1992) 23/- (65-125)., XP000879188 page 90, paragraph 2 -page 91, paragraph 1; example 7; table 3 page 98, paragraph 1 -page 103, paragraph 2; example 7; table 3 page 108, paragraph 1 - paragraph 2; example 7; table 3 ---</p>	1,2,4,8, 12
X	<p>PRIEST, R. G. (1) ET AL: "Reversible and selective inhibitors of monoamine oxidase A in mental and other disorders." ACTA PSYCHIATRICA SCANDINAVICA, (1995) VOL. 91, NO. SUPPL. 386, PP. 40-43., XP000879201 abstract paragraph 2; example 7; table 3 ---</p>	1,2,4,8, 12
X	<p>WHITTAL M.C. ET AL: "Bulimia nervosa: A meta-analysis of psychosocial and pharmacological treatments." BEHAVIOR THERAPY, (1999) 30/1 (117-135)., XP000879168 abstract paragraph 2; example 7; table 1 ---</p>	1,2,4,8, 12

-/--

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 00/07917

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	REYNAERT C. ET AL: "Do new antidepressants influence body weight ? Comparing moclobemide to fluoxetine." EUROPEAN NEUROPSYCHOPHARMACOLOGY, (1993) 3/3 (354)., XP000879190 page 354, paragraphs 5,6 - paragraph 2; example 7; table 1 -----	1,2,4,8, 12

## INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP 00/07917

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 9713768	A	17-04-1997	FR 2739856 A1	18-04-1997
			FR 2751651 A1	30-01-1998
			FR 2751653 A1	30-01-1998
			AU 7135996 A	30-04-1997
			EP 0891358 A1	20-01-1999
			WO 9713768 A1	17-04-1997
			JP 11513400 T	16-11-1999
			US 5969146 A	19-10-1999
			ZA 9608568 A	13-05-1997
WO 9638444	A	05-12-1996	FR 2734820 A1	06-12-1996
			FR 2734821 A1	06-12-1996
			AT 184005 T	15-09-1999
			AU 699367 B2	03-12-1998
			AU 6128896 A	18-12-1996
			BR 9608896 A	29-06-1999
			CA 2223011 A1	05-12-1996
			CN 1191534 A	26-08-1998
			CZ 9703784 A3	15-04-1998
			DE 69604071 D1	07-10-1999
			DE 69604071 T2	06-04-2000
			DK 835254 T3	27-03-2000
			EP 0835254 A1	15-04-1998
			ES 2138346 T3	01-01-2000
			WO 9638444 A1	05-12-1996
			GR 3031710 T3	29-02-2000
			HU 9901349 A2	30-08-1999
			IL 118542 A	06-12-2000
			JP 11507330 T	29-06-1999
			NO 975530 A	02-02-1998
			NZ 310487 A	28-05-1999
			PL 323673 A1	14-04-1998
			SK 161497 A3	06-05-1998
			US 5843975 A	01-12-1998
			ZA 9604563 A	12-12-1996
EP 0699680	A	06-03-1996	FR 2724171 A1	08-03-1996
			AT 190311 T	15-03-2000
			AU 687591 B2	26-02-1998
			AU 3041595 A	21-03-1996
			CN 1128763 A ,B	14-08-1996
			CZ 9502262 A3	13-03-1996
			DE 69515402 D1	13-04-2000
			DE 69515402 T2	19-10-2000
			DK 699680 T3	21-08-2000
			EP 0699680 A1	06-03-1996
			ES 2145886 T3	16-07-2000
			FI 954141 A	06-03-1996
			GR 3033554 T3	29-09-2000
			HU 73435 A2	29-07-1996
			IL 115276 A	06-12-1998
			JP 8099881 A	16-04-1996
			NO 953458 A	06-03-1996
			NZ 272920 A	25-03-1998
			PL 310273 A1	18-03-1996
			PT 699680 T	31-08-2000
			RU 2141482 C1	20-11-1999
			SI 699680 T1	31-10-2000

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP 00/07917

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
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LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ,  
NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM,  
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patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE,  
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For two-letter codes and other abbreviations, refer to the "Guid-  
ance Notes on Codes and Abbreviations" appearing at the begin-  
ning of each regular issue of the PCT Gazette.

(54) Title: USE OF MONOAMINE OXIDASE INHIBITORS FOR THE MANUFACTURE OF DRUGS INTENDED FOR THE  
TREATMENT OF OBESITY

(57) Abstract: The present invention relates to the use of reversible selective inhibitors of monoamine oxidase A (MAO-A), re-  
versible selective inhibitors of monoamine oxidase B (MAO-B) or reversible mixed inhibitors of MAO-A and MAO-B in the man-  
ufacture of drugs intended for the treatment of obesity.

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# INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 00/07917

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A61K31/39 A61K31/16 A61K31/35 A61K31/42 A61K31/425  
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A61K31/535

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, EMBASE, MEDLINE, BIOSIS, WPI Data, CHEM ABS Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	W0 97 13768 A (LECLERC ODILE ; JEGHAM SAMIR (FR); PUECH FREDERIC (FR); SYNTHELABO) 17 April 1997 (1997-04-17) cited in the application abstract page 34, line 7,8 page 41, paragraph 2 ---	1-4, 12
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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## FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

## Continuation of Box I.2

Present claims 1,2,4,7,12 relate to a use/product defined by reference to a desirable characteristic or property, namely reversible selective or reversible mixed monoamine oxidase A and/or B inhibitors.

The claims cover the use of all products/compounds having this characteristic or property, whereas the application provides support within the meaning of Article 6 PCT and/or disclosure within the meaning of Article 5 PCT for only a very limited number of such products/compounds. In the present case, the claims so lack support, and the application so lacks disclosure, that a meaningful search over the whole of the claimed scope is impossible. Independent of the above reasoning, the claims also lack clarity (Article 6 PCT). An attempt is made to define the product/compound by reference to a result to be achieved. Again, this lack of clarity in the present case is such as to render a meaningful search over the whole of the claimed scope impossible. Consequently, the search has been carried out for those parts of the claims which appear to be clear, supported and disclosed, namely those parts relating to the products/compounds specifically mentioned in the claims with due regard to the general idea underlying the present invention(s).

A compound or group of compounds is not sufficiently defined only by its pharmacological parameters or properties: for a fully valid definition of a compound or a group of compounds, a structural definition is needed. A complete search is virtually impossible because it is not exhaustively known which chemical compounds are comprised by the scope of the claims encompassing reversible selective or reversible mixed monoamine oxidase A and/or B inhibitors in general.

The applicant's attention is drawn to the fact that claims, or parts of claims, relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure.

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